

Advanced Grazing School:

Weed Control in Broadleaf Forage Crops

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Grassy Weed Control in Clover

Pre-plant incorporated (PPI):

- EPTC (Eptam) @ 3.5 pts/a
- Benefin (Balan) @ 2.0 lbs/a

Post-emergence (POS)

- Pronamide (Kerb) @ 1-1.5 lbs/a
- Sethoxydim (Poast, Poast Plus, etc.) @ 0.19-0.3 lbs a.i./a
- Clethodim (Select, Select Max, etc.) @ 0.031-0.047 lbs a.i./a

Broadleaf Weed Control in Clover

Pre-plant incorporated (PPI):

- EPTC (Eptam) @ 3.5 pts/a
- Benefin (Balan) @ 2.0 lbs/a

Post-emergence (POS)

- Pronamide (Kerb) @ 1-1.5 lbs/a
- Imazethapyr (Pursuit) at 3.0-6.0 oz./acre
- Imazamox (Raptor) @ 5 oz/a
 - Only for labeled for seed production

Broadleaf Weed Control in Clover with Grass

- Limited options for selectively removing broadleaf weeds from mixed stands while not removing the clovers or damaging the grass.
 - One option if weeds are in seedling stage:
 - > 2,4-D Amine up to 2.0 pts/acre (1 lb a.i./acre) can kill many seedling broadleaf weeds without killing the clover. Anything higher risks killing the clover.
 - Pursuit (imazethapyr) at 3.0-6.0 oz./acre, but:
 - > Will result in significant injury to grass.

Benefits of Adding Legumes

A valuable source of N (time-released).

Species	Annual lbs (N/acre)	N value at \$0.75/lb. of N
Alfalfa	200-300	\$150-225
Red clover	100-200	\$75-150
White clover	100-150	\$75-113
Annual clover	50-150	\$38-113

White clover can be re-established via frost seeding for less than \$35/acre!

Grassy Weed Control in Alfalfa

Pre-plant incorporated (PPI):

- EPTC (Eptam) @ 3.5 pts/a
- Benefin (Balan) @ 2.0 lbs/a
- Trifluralin (Treflan) @ 0.5 lbs a.i./a

Pre-emergence (PRE):

- Pendamethalin (Prowl H2O) @ 1.1 – 2.1 pts/a
- Flumioxazin (Chateau) @ 4.0 oz./a
- Norflurazon (Solicam) @ 1.25-2.5 lbs/a

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Grassy Weed Control in Alfalfa

(cont'd)

Post-emergence (POS)

- Pronamide (Kerb) @ 1-1.5 lbs/a
- Sethoxydim (Poast, Poast Plus, etc.) @ 0.19-0.3 lbs a.i./a
- Clethodim (Select, Select Max, etc.) @ 0.031-0.047 lbs a.i./a

Between Cuttings

- Paraquat (Gramoxone, Firestorm, etc.) @ 0.25 lbs a.i./a

Established, Dormant

- Metribuzin (Sencor, Metribuzin, etc.) @ 0.375 lbs a.i./a
- Hexazinone (Velpar, etc.) @ 0.5-0.75 lbs a.i./a



Broadleaf Weed Control in Alfalfa

Pre-plant incorporated (PPI):

- EPTC (Eptam) @ 3.5 pts/a
- Benefin (Balan) @ 2.0 lbs/a
- Trifluralin (Treflan) @ 0.5 lbs a.i./a

Pre-emergence (PRE):

- Pendamethalin (Prowl H2O) @ 1.1 – 2.1 pts/a
- Flumioxazin (Chateau) @ 4.0 oz./a
- Norflurazon (Sollicam) @ 1.25-2.5 lbs/a



Broadleaf Weed Control in Alfalfa

(cont'd)

Post-emergence (POS)

- 2,4-DB (Butyrac 200, etc.) @ 1-1.5 lbs/a
- Bromoxynil (Buctril) @ 0.375 lbs a.i./a
- Imazethapyr (Pursuit, etc.) @ 0.047-0.094 lbs a.i./a
- Pronamide (Kerb) @ 1-1.5 lbs/a
- Imazamox (Raptor) @ 5 oz/a



Broadleaf Weed Control in Alfalfa

(cont'd)

Between Cuttings

- Paraquat (Gramoxone, Firestorm, etc.) @ 0.25 lbs a.i./a

Established, Dormant

- Metribuzin (Sencor, Metribuzin, etc.) @ 0.375 lbs a.i./a
- Hexazinone (Velpar, etc.) @ 0.5-0.75 lbs a.i./a



Roundup Ready Alfalfa

Non-selective control of both grasses and broadleaf weeds.



Broadleaf Weed Control in Alfalfa with Grass

- Some pre-emergent herbicides can be helpful.
 - Prowl H2O (pendimethalin) @ 1.1 – 4.2 qts/a
- No great options for selectively removing broadleaf weeds from mixed stands while not damaging the grass or the alfalfa.
 - Pursuit (imazethapyr) @ 3.0-6.0 oz./a, but:
 - Will result in significant injury to grass.



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Grassy Weed Control in Brassicas

Pre-plant incorporated (PPI):

- Trifluralin (Treflan) @ 0.5 lbs a.i./a

Post-emergence (POS)

- Sethoxydim (Poast ONLY) @ 0.19 lbs a.i./a
- Clethodim (Select, Select Max, etc.) @ 0.06-0.09 lbs a.i./a



Broadleaf Weed Control in Brassicas

Pre-plant incorporated (PPI):

- Trifluralin (Treflan) @ 0.5 lbs a.i./a

Post-emergence (POS)

- No options

- Most winter annual broadleaf weeds are not problematic in brassica plantings.
 - What may be present will likely be consumed by the animals.



Questions?



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